

FIG. 1

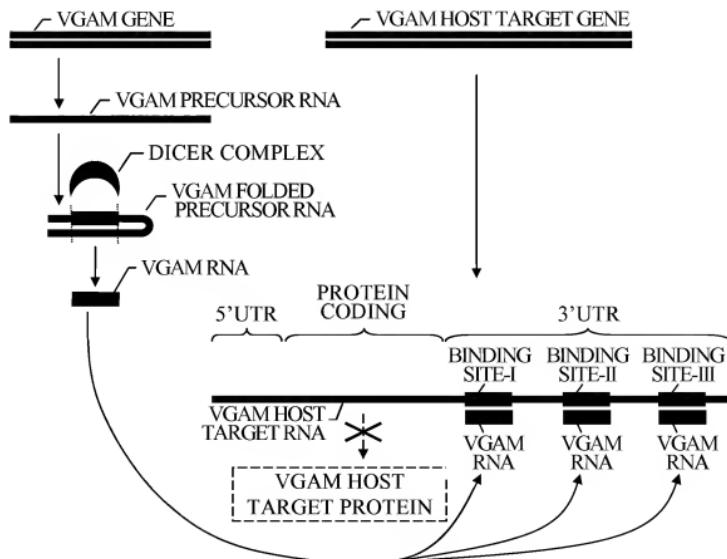


FIG. 2

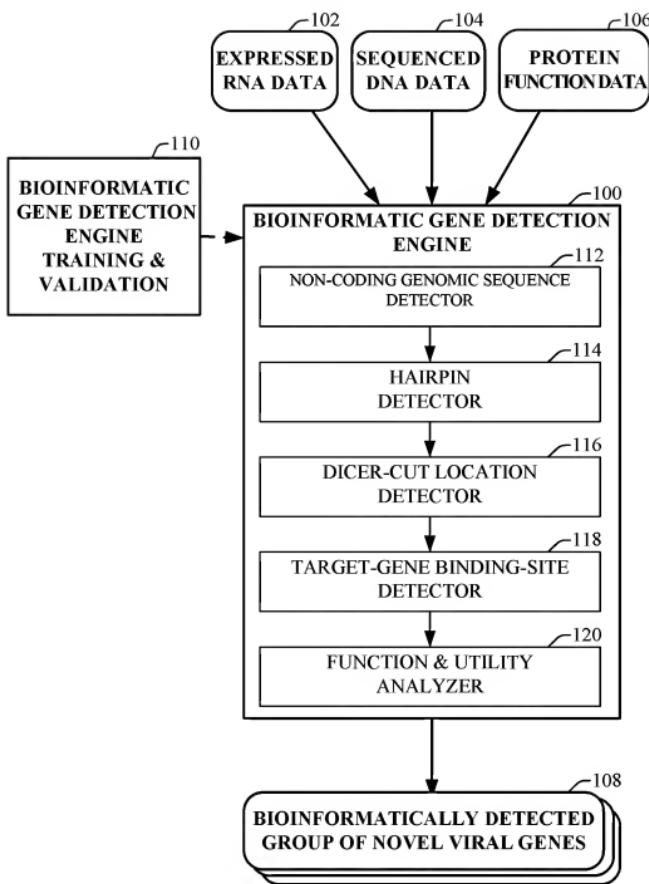


FIG. 3

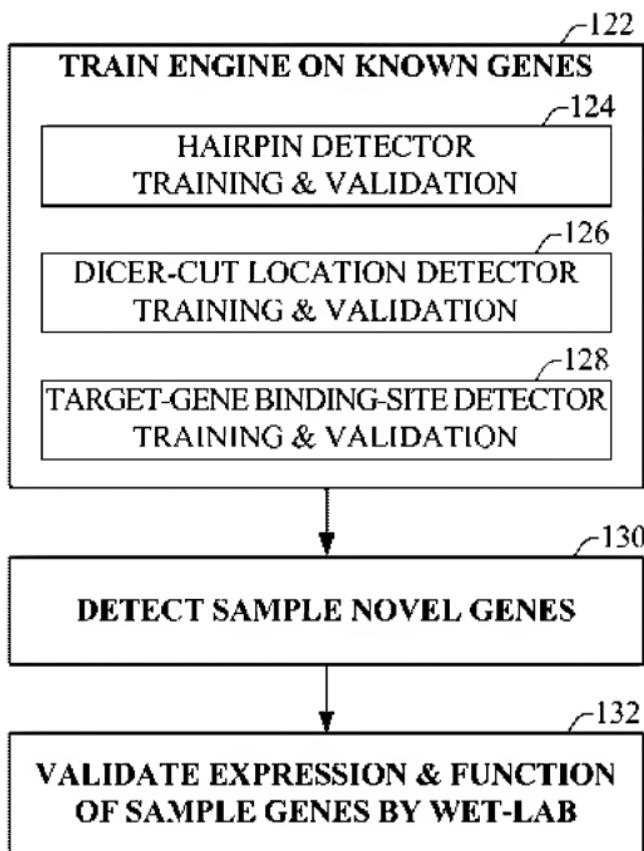


FIG. 4A

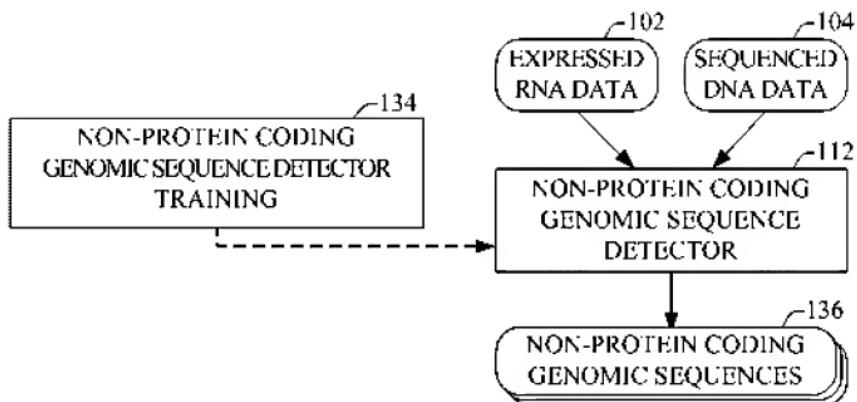


FIG. 4B

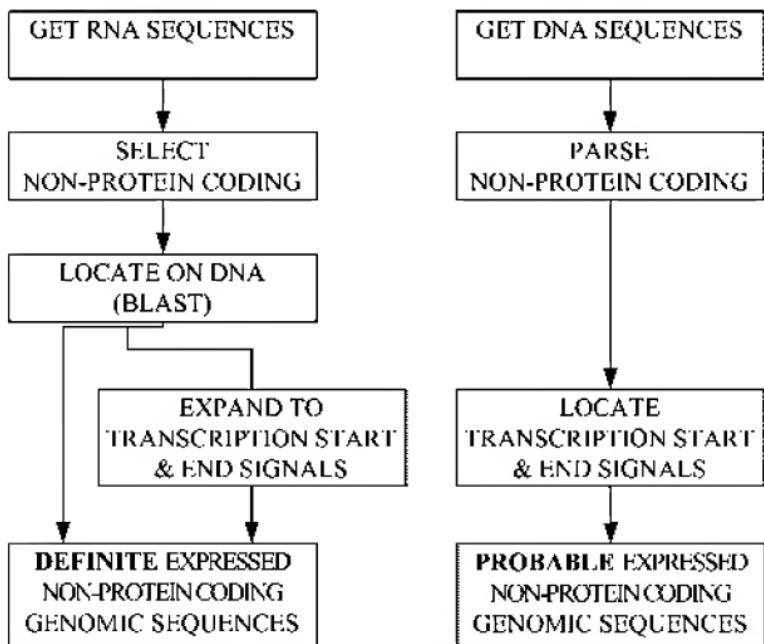


FIG. 5A

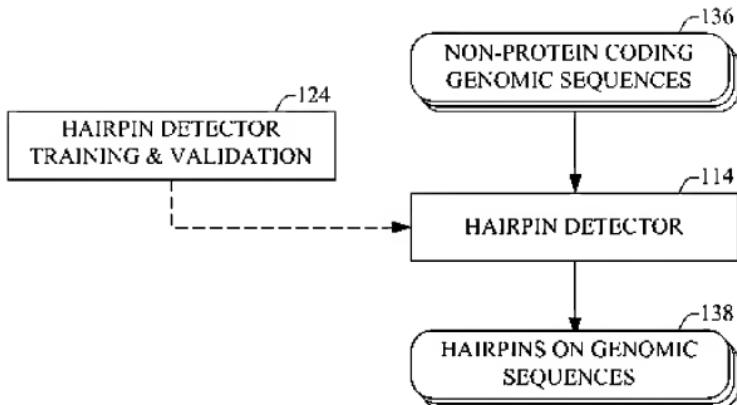


FIG. 5B

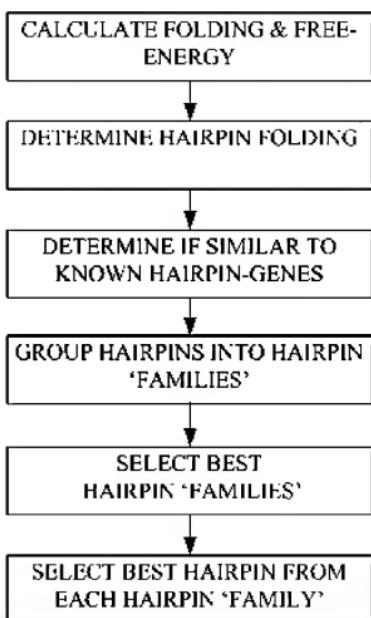


FIG. 6A

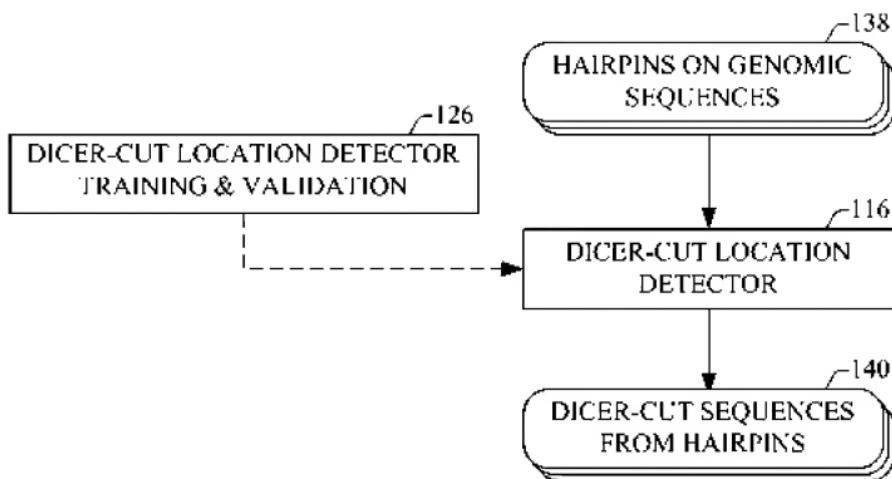


FIG. 6B

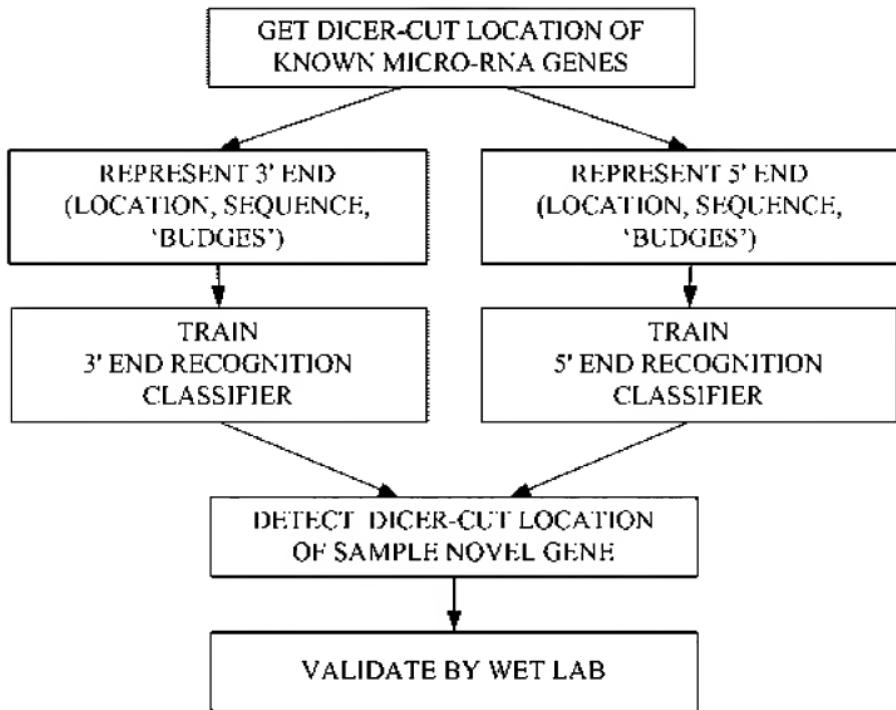


FIG. 6C

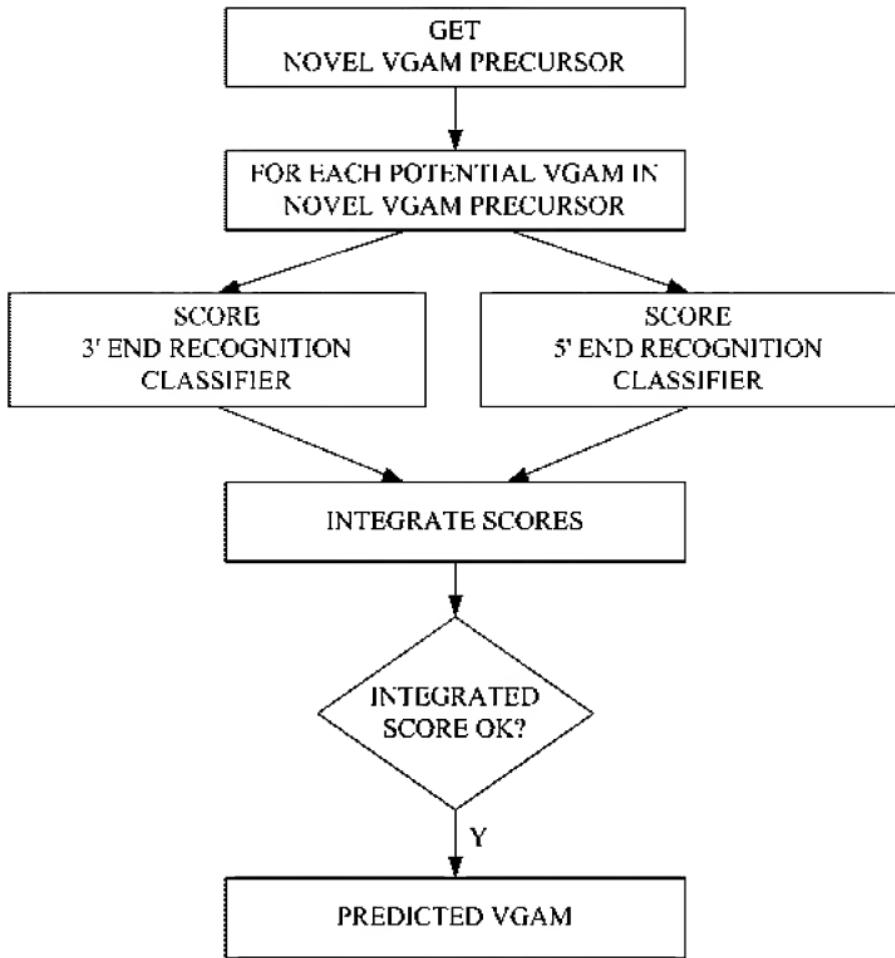


FIG. 7A

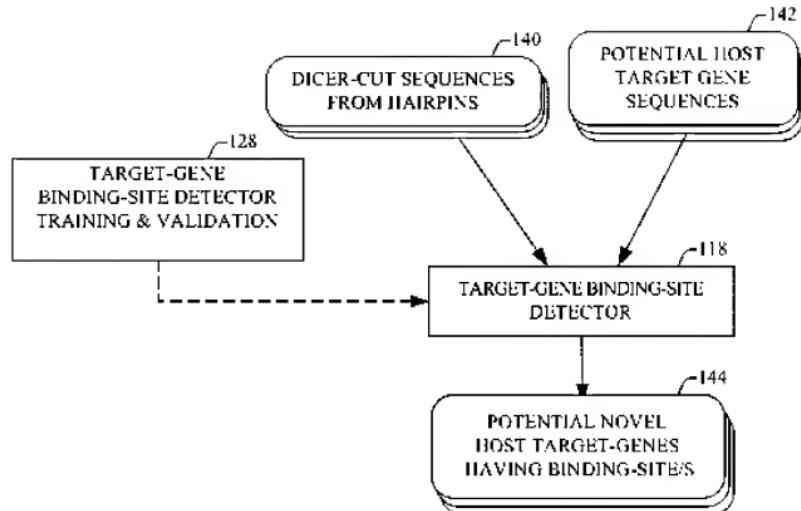


FIG. 7B

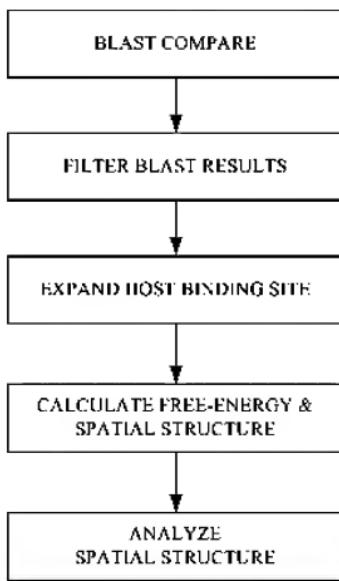


FIG. 8

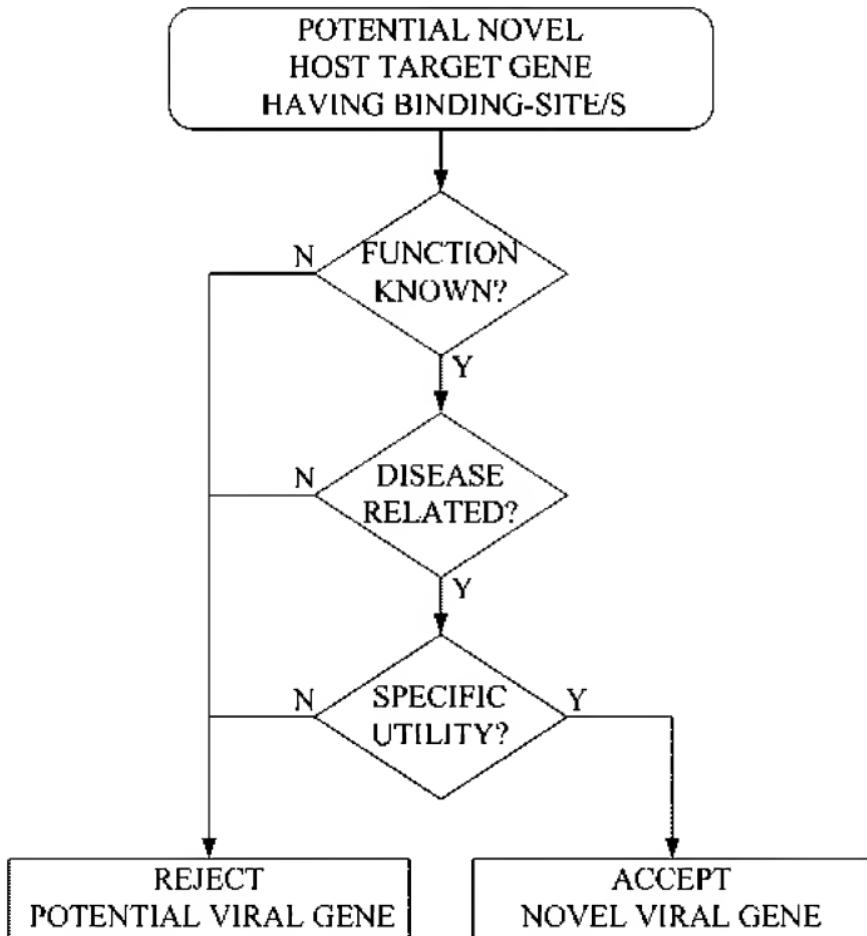


FIG. 9

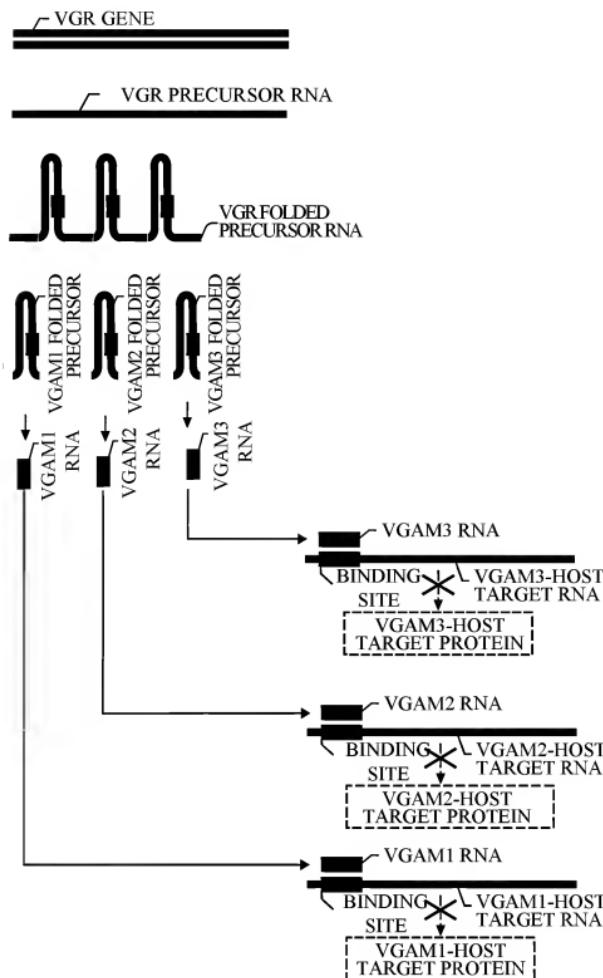


FIG. 10

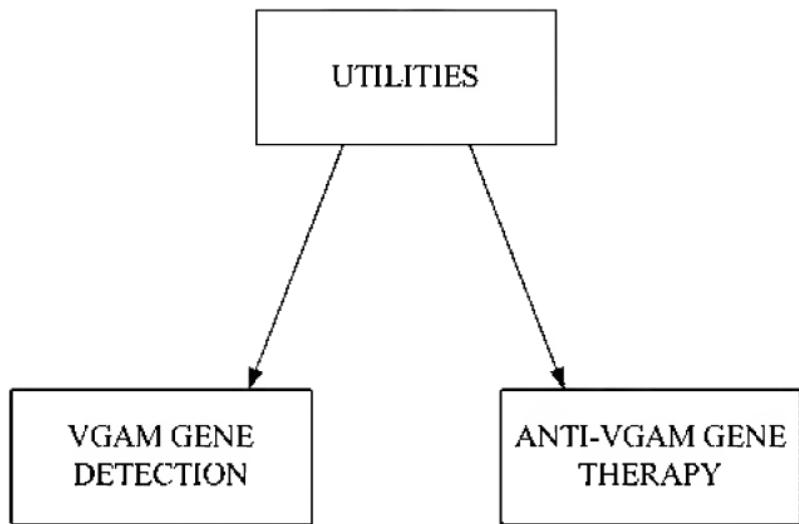


FIG. 11A

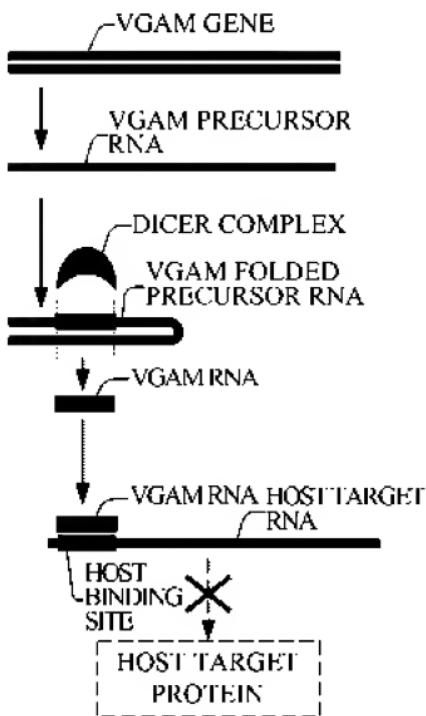
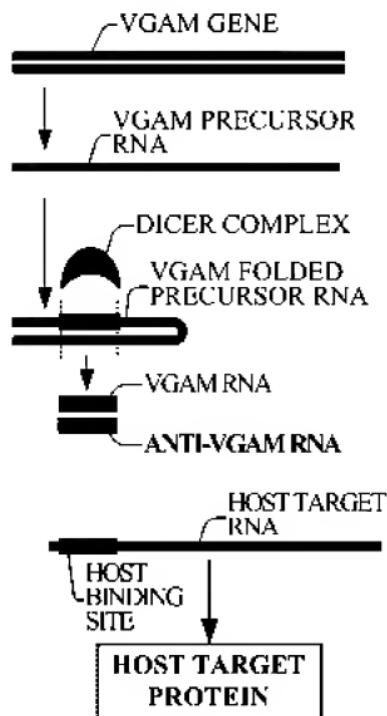


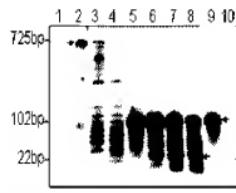
FIG. 11B



EST72223 sequence:

FIG. 12A
CCCTTATTAGAGGATTCTGCTCATGCCAGGGTGAGGTAGTAAGTTGATTTGCGGGTAGGGATTAGGCCCAATTAGAAAGATAACTATACAACCTTACTTCCCTGGTGTGTCATTTGAGCTTACACTAGTCCTTACAGCTGTCCTCATCAGACAAGTTGAGATGTTCTTGAATAATTGGACTGGAAAGAAAAGACAGATGGAACGGGACAGATGTTTTAGGTGAGGCAGATGTCATTAAAGTGAACCTGTCATTGCTATTGAGCATAATAATTGTTACCTTGGGCATGAACCTCATTTGCTATTCTTCACATGTGTAATGTTGATTTATTAGTAATAGAACAGGAATGTGTCAGGGAAATGGAAAGCATACTTTAAAGAATTGGGCCAGGGCCAGGCGGTGTTCAATGCGCTGATCACTGGAGGTAGGGAGTTGAGACCAACCTGGCCAACACGGCAGAACCCGGCTCTACTCAAATAAAAAATTAGCAGCTTGGGTGACACTCGCTGTGTTCCAGCTACTCAGGAGGCTGAGCTGAGCTGAGAACACGCCACTGCAACCCAGGAAGTGGAGGCTTCAGTGAACGCAAGACTCTGTCAGGGAAAAAGAG

FIG. 12B

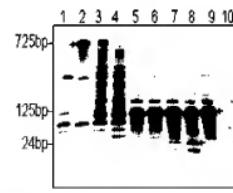


	Lysate-S100	+	+	+	+	+	+	+	+	+
EST72223	-	+	+	+	-	-	-	-	-	-
MgSO ₄	-	-	-	+	+	+	+	+	+	+
Time (h)	24	0	4	24	0	1	4	24	24	
EDTA	-	-	-	-	-	-	-	-	-	+

FIG. 12B
MIR98

GAM24

FIG. 12C

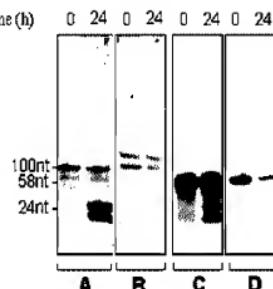


	Lysate-S100	+	+	+	+	+	+	+	+	+
EST72223	-	+	+	-	-	-	-	-	-	-
β44	-	-	-	-	-	-	-	-	-	-
Tme(3)	24	0	4	24	0	0.5	1	24	24	
EDTA	-	-	-	-	-	-	-	-	-	+

MIR98

GAM24

FIG. 12D



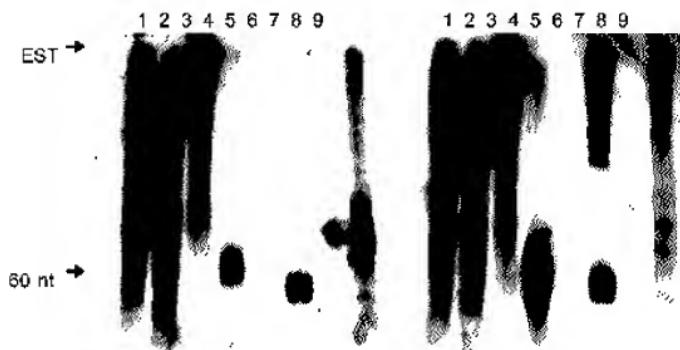
	Time (h)	0	24	0	24	0	24
		A	B	C	D		

FIG. 13A

dbEST Id. 7929020 (Image4514344) sequence:

GC~~AAA~~AAACTGGAGCATTCCCTTGA~~AA~~ACTGSSC~~AC~~AGACAGGGATGCCCTCT
 CTC~~AC~~CCCTCTTATTCA~~AA~~CATACTCTTCCAACTTCTGCC~~AC~~GGGAT~~AA~~TACCGA
 GGAGA~~GGG~~AA~~TT~~AA~~GGG~~GTATTCA~~TT~~AGGAAAAAGASCA~~AA~~GT~~AA~~TGTTCT
 G~~TTT~~SC~~AG~~ATG~~AT~~S~~AT~~TAT~~AT~~TAG~~AA~~ACCCCATT~~TT~~CTC~~AC~~GGG~~AA~~A
 TCTCCTTA~~AC~~CTG~~AT~~A~~AA~~CA~~CT~~TC~~AC~~CCAA~~AC~~CTG~~AG~~AT~~AA~~AA~~AT~~CT
 AC~~AAA~~AT~~AA~~T~~CA~~CA~~AA~~SCATT~~CT~~AC~~AC~~CC~~AA~~ACAG~~AA~~AAACAG~~CC~~AA~~AT~~CA
 TG~~AG~~ST~~AG~~T~~AC~~T~~CC~~CA~~AT~~TC~~AC~~AA~~AA~~AG~~AA~~AG~~CC~~AA~~AT~~CA
 AACTTACAAGGGAT~~G~~TGAAGGACCTCTCAAGGAGAA~~CT~~AC~~AA~~ACC~~AC~~CTGCC~~CA~~
 AG~~GG~~AA~~TT~~AA~~GG~~GG~~AT~~CAA~~AA~~CA~~AA~~T~~G~~GAAG~~AA~~ATT~~CC~~C~~AT~~G~~CT~~C~~AT~~T~~GG~~GT~~AG~~
 GA~~AG~~AT~~CA~~AT~~TT~~TS~~AA~~T~~GT~~SS~~CC~~TA~~CT~~AT~~CC~~AA~~AG~~GT~~AT~~T~~AC~~AG~~AT~~TC~~AA~~
 AT~~GG~~CC~~AT~~CCCC~~AT~~CA~~AC~~CT~~AC~~CA~~AT~~T~~G~~A~~TT~~T~~CT~~AC~~AC~~GA~~AT~~TC~~AA~~AAA~~AA~~ACT~~A~~
 CT~~TT~~AA~~GG~~TT~~CA~~T~~AT~~GG~~AA~~AC~~CC~~AA~~AA~~AG~~GG~~CC~~CA~~T~~G~~CC~~AA~~AT~~GT~~CA~~AT~~CT~~AA~~
GCC~~AA~~AG~~AC~~AA~~AC~~GG~~CT~~GG~~AG~~GC~~AT~~CA~~AC~~CT~~AC~~T~~G~~ACT~~CA~~ACT~~TT~~ACT~~AC~~CA **GAM23**
AGG~~CT~~TA~~CT~~AA~~CC~~AA~~AC~~CC~~AT~~CT~~CT~~ACT~~CT~~TA~~CC~~AA~~AA~~AC~~AC~~AC~~AT~~AT~~AC~~AT~~AC~~
 AAT~~GG~~AA~~AC~~GA~~AA~~CA~~AG~~SC~~CT~~TC~~AG~~AA~~AA~~T~~AA~~AC~~GG~~CC~~AA~~AT~~AC~~CT~~AC~~AA~~CT~~AT~~CT~~GA
 T~~CT~~TT~~SC~~CA~~AA~~AC~~CT~~GA~~AA~~AA~~AC~~AC~~AA~~SC~~AA~~AT~~GG~~SS~~MM~~AG~~GG~~AT~~TT~~CC~~AT~~TT~~AA~~AA~~TA~~
 AAT~~GG~~GT~~CT~~GG~~AA~~AA~~CT~~Q~~AC~~T~~AC~~CC~~AT~~AT~~CT~~AC~~AA~~AC~~CT~~GA~~AA~~AT~~CT~~GG~~AT~~CC~~CT~~
 TC~~CT~~TA~~AC~~CC~~TT~~TA~~CA~~AA~~AA~~AT~~CA~~TT~~CA~~AG~~AT~~GG~~AT~~AA~~AG~~AT~~TT~~AA~~AC~~GT~~TA~~
 G~~AC~~CT~~TA~~AA~~CC~~AT~~AA~~AC~~CC~~CT~~AG~~GA~~AA~~AA~~CT~~GG~~AT~~CA~~TT~~AC~~CC~~ATT~~CT~~GG~~AC~~
 TAG~~GG~~CA~~TC~~GG~~CC~~AA~~CC~~ACT~~TC~~AT~~CT~~CA~~AA~~AA~~AC~~CA~~AA~~AA~~CC~~AA~~AT~~GG~~CA~~AC~~AA~~AA~~AC~~
 AC~~AA~~AA~~AT~~TG~~AC~~AA~~AT~~GG~~AT~~CT~~AA~~TT~~AA~~AC~~TA~~AA~~AG~~AS~~CT~~CT~~GT~~CA~~AC~~SC~~AA~~AA~~AG~~
 AA~~AC~~CT~~AC~~AT~~TC~~CA~~AG~~GT~~AA~~AC~~GG~~CA~~AC~~CT~~AC~~AA~~AA~~AT~~GG~~GA~~AA~~AT~~TT~~TC~~GG~~CA~~AA~~
C~~CT~~T~~AC~~T~~CA~~T~~CT~~GA~~CA~~AA~~AC~~GG~~CT~~TA~~AT~~AT~~CC~~CA~~AA~~AT~~CT~~CA~~AC~~CT~~AA~~AC~~AA~~AA **GAM2**
 5
 TTTAC~~AA~~AA~~AA~~AA~~AA~~AA~~AA~~AA~~AA~~

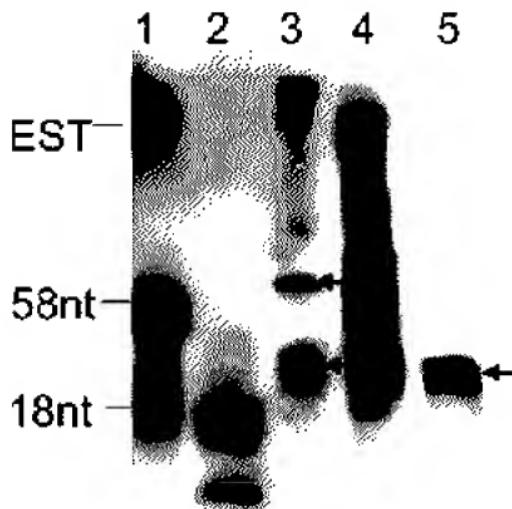
FIG. 13B



GAM25

GAM23

FIG. 13C



GAM25

FIG. 14A
dbEST Id. 1388749 (Image1020185) Sequence:

ACTCCTATCACAGTGTAAAAAGCATTCCTGTTCTCCATATCTTGCAGCATCTT
 TTCATTTTTCAATTATAGCCATTCTGACTCTTCTCACATGCTCTCATCTCG
 TTTTGATTTGCATTTCTCAGATGATCAGTGAAGTTTTGGCTGGC
 TGCTATGTAAGCTCTTGTAAAAGTGTCTGTTGTGCTCTTGACCACTTCTAA
 TGGCCTCTGACTTTTCTCTAAATTCTTAAACTTCTCTGAGATCTGCCAT
 ATTAGACCTTGTAGATGGATAGAGTGCACAAAGTTCTCCCATTCTGTAAGTTG
 TCGGTTTACTCTGTGATAGTTCTTAAATGCTGTGCAAGAGCTCTTAGTTAATT
 AGATCCATTCTCAATTTCGCTTCTTGCATTTGCAATTGCTTTGCACTTCTCAT
 GAAATCTTGCCTTGCCTGTCATGGCATTGCTAGGTTTCTTCAGGA
 TTTTATAGTTGGGTGATGATTTAAGTCTTAACTCTGAGTTAACCTT
 CTATATGCCCTAACGACGGGGGGCTTCAATTGCTGCAAATGGCTACCCACTTC
 TCCCCAGCACCATTTATAAATAGGGAAATCTTCCCATTGCTCCTTGTCAAGG
 TTTGTCAGAGATCACATGGTTGTTAGGTGTGTTGCTTATTTCTGGTTCTCTATT
 TCTTCCATTGGCTATGGGGGGCTCTCACCACCACTGCTGTTTGGTACCA
 TAGTCTTGTAGAATGTTGAAAGCTGGGTAGCATGTCAGCTTGTCTTCT
 TGCTAAGAAATGCTTGGCTATTGGGCTCTTTGGTCCATATGAATTAAA
 ATAGCTTTCTAGCTCTAAACAATCTGAAATACTACTTTAATGGGCTACCAATT
 TAATTACAGAATTGCCCTGGGCAAGTGTGGTCATTTCACGATATTGATCCTTCCTG
 TCTGTGAGCATATGTTTCCATTGGTGTGTCATCTGATTTCCTTGAATAAT
GTTTATAGTTATCTTGGCAATTGTGAATGGGAGTTAACATGAGTTTCTCT
ATATTATACTCTTCTTGGCAATTGTGAATGGGAGTTAACATGAGTTTCTCT
CGGCTTGCCTGTTGGTGTAGGAATGCTAGTGACTTTGCACATTGATTTC
TATGCTGAGACTTCTGAAACTTGCTTATCAGCTAACAGACTTTGCACTGAGATC
ATGGAGTTTCTAGATATAGGATCATATCTGCAAACAAAGATAGTTGACTTC
CTGTCTTCCATTGAAATAGCTTTCTTCTTCTGCTGATTGCCCTGGTGA
CAATTCTAAACTCTGAAATAGGACTCTGAGCTGCTGCCAA

GAM
26

FIG. 14B

1 2 3 4 5 6 7



GAM26